Listing of Claims. This Listing of Claims replaces all prior versions and listings of Claims in the application.

1. (Withdrawn) An audible alert device for generating a pulse width modulated signal, the audible alert device connectable to a power source, the audible alert device comprising:

a circuit including a pulse width modulated signal generator; and

a transducer conductively connected to the circuit.

2. (Withdrawn) The audible alert device of Claim 1 further comprising the circuit and the transducer at least partially enclosed within a housing.

3. (Withdrawn) The audible alert device of Claim 1 wherein the pulse width modulated signal generator further comprises:

a first square wave frequency timer for generating a pulse width modulated signal;

a second square wave frequency timer for generating a square wave; and

a duty cycle controller for controlling a decibel output level of the transducer.

4. (Withdrawn) The audible alert device of Claim 1 wherein the circuit further comprises a feedback signal processor conductively connected to the pulse width modulated signal generator.

5. (Withdrawn) The audible alert device of Claim 1 further comprising:

an output current sensor conductively connected to the transducer, for sensing a resistance at the transducer and generating a signal representative of transducer output current level;

a feedback signal processor including;

a feedback signal generator conductively connected to the output current sensor for generating a signal representative of transducer output current level; and

a resonant frequency peaking circuit for processing the signal representative of transducer output current level and generating a feedback signal representative of transducer output current level, the pulse width modulated signal generator responsive to the feedback signal to generate a pulse width modulated signal at a resonant frequency.

6. (Withdrawn) The audible alert device of Claim 1 further comprising:

an output current sensor conductively connected to the transducer, for sensing a resistance at the transducer and generating an analog signal representative of transducer output current level;

a feedback signal processor including;

a feedback signal generator conductively connected to the output current sensor, the feedback signal generator including an analog to digital converter for converting the analog signal representative of transducer output current level to a digital value representative of transducer output current level; and

a resonant frequency peaking circuit conductively connected to the pulse width modulated signal generator for processing the digital value representative of transducer output power level and generating a feedback signal representative of transducer output current level, the pulse width modulated signal generator responsive to the feedback signal to generate a pulse width modulated signal at a resonant frequency.

7. (Withdrawn) An audible alert device for generating a pulse width modulated
signal, the audible alert device connectable to a power source, the audible alert device comprising:

a transducer;

a circuit including a power conditioning circuit conductively connected to the transducer; and

a pulse width modulated signal generator conductively connected to the transducer, the pulse width modulated signal generator including a first square wave frequency timer for generating a pulse width modulated signal, a second square wave frequency timer for generating a square wave and a duty cycle controller for controlling a decibel output level of the transducer.

8. (Withdrawn) The audible alert device of Claim 7 further comprising the circuit and the transducer at least partially enclosed within a housing.

9. (Withdrawn) The audible alert device of Claim 7 further comprising:

an output current sensor conductively connected to the transducer, for sensing a resistance at the transducer and generating a signal representative of transducer output current level;

a feedback signal processor including;

a feedback signal generator conductively connected to the output current sensor for generating a signal representative of transducer output current level; and a resonant frequency peaking circuit for processing the signal representative of transducer output current level and generating a feedback signal representative of transducer output current level, the pulse width modulated signal generator responsive to the feedback signal to generate a pulse width modulated signal at a resonant frequency.

10. (Withdrawn) The audible alert device of Claim 7 further comprising:

an output current sensor conductively connected to the transducer, for sensing a resistance at the transducer and generating an analog signal representative of transducer output current level;

a feedback signal processor including;

a feedback signal generator conductively connected to the output current sensor, the feedback signal generator including an analog to digital converter for

converting the analog signal representative of transducer output current level to a digital value representative of transducer output current level; and

a resonant frequency peaking circuit conductively connected to the pulse width modulated signal generator for processing the digital value representative of transducer output power level and generating a feedback signal representative of transducer output current level, the pulse width modulated signal generator responsive to the feedback signal to generate a pulse width modulated signal at a resonant frequency.

11. (Original) A method for manufacturing an audible alert device includes the steps of:

manufacturing a programmable audible alert device circuit including a memory device;

connecting the programmable audible alert device circuit to a transducer;

installing the programmable audible alert device circuit and transducer in a housing;

casting the programmable audible alert device circuit in a sealing fluid;

connecting the audible alert device to a device programming station; and

programming the audible alert device.

12. (Original) The method for manufacturing an audible alert device of Claim 11 wherein the step of manufacturing a programmable audible alert device circuit includes manufacturing a circuit including a pulse width modulated signal generator conductively connected to the transducer, a power conditioning circuit conductively connected to the pulse width modulated signal generator, a power conductor, conductively connected to the power conditioning circuit, an output current sensor conductively connected to the transducer, a feedback signal processor connected to the output current sensor and a memory device conductively connected to the feedback signal processor.

13. (Original) The method for manufacturing an audible alert device of Claim 11 wherein the step of connecting the audible alert device to a device programming station includes connecting the audible alert device to the device programming station by one or more power conductors of the programmable audible alert device.

14. (Original) The method for manufacturing an audible alert device of Claim 11 wherein the step of programming the audible alert device includes transferring operation mode data to the memory device, the operation mode data representative of pre-selected operation mode data selected from a group data for operating audible alert devices.

15. (Original) The method for manufacturing an audible alert device of Claim 11 wherein the step of programming the audible alert device includes transferring resonant peaking subroutine data to the memory device.

16. (Original) The method for manufacturing an audible alert device of Claim 11 wherein the step of programming the audible alert device includes transferring decibel peaking subroutine data to the memory device.

17. (Original) The method for manufacturing an audible alert device of Claim 11 wherein the step of programming the audible alert device includes conducting a resonant peaking subroutine.

18. (Original) The method for manufacturing an audible alert device of Claim 11 wherein the step of programming the audible alert device includes conducting a decibel peaking subroutine.

19. (Original) A method for operation of an audible alert device in a normal operations mode includes the steps of:

powering the audible alert device;

monitoring an output current;

conducting a dynamic resonant frequency peaking subroutine;

conducting a dynamic decibel peaking subroutine ;

initiating generation of a pulse width modulated signal; and

outputting the pulse width modulated signal at a transducer.